



Ø BEAT

COLO. SPRINGS,
COLORADO

OCTOBER 1970

Annual Meeting, Election Oct. 14

The October 14 meeting of the PPRAA will be the annual business meeting of the organization, with the election of four members of the Board of Directors for two year terms and the election of four officers for the coming year---president, vice president, secretary and treasurer.

The meeting will start at 7:30 p. m. in the usual meeting place, the U. S. Naval Reserve Training Center at Lake and Logan Streets.

All full members of the PPRAA---persons who hold a valid renewable amateur radio operator license issued by the FCC, and who are in good standing---are entitled to vote at this election.

Election of the four Board members to fill the expiring terms of Bill King, WØLKD, Pete Demario, KØUDG, Frank Craw, WØHWH, and Eldon Lewis, WAØERA, will be the first voting session for the meeting. According to the By-Laws of the PPRAA, officers of the club must be selected from the eight members of the Board of Directors.

In addition to the four Board members whose terms are expiring, and who automatically become candidates for re-election, eight other members of the PPRAA have been selected by a nominating committee as candidates: these are:

Harlan Parks, WØYVS,
John Marek, WAØEJI,

George Kowalski, WØGCH, a former member of the Board and former vice president of the PPRAA,

John Summers, WAØHHN, a former Board member and a past president of the PPRAA,

Julian "Doc" Cornell, WØMCT.

Rosemarie Lewis, WAØMNL, a former Board member and former PPRAA secretary---also the most prolific contributor to Zero Beat,

James Don Carlos, WØITU,
Darrel Vogt, WAØUGW.

Under the By-Laws of the PPRAA, four of the eight members of the Board of Directors are elected each year, to to serve two year terms. Members whose terms will expire in 1971 are Ed Pompea, KØZPG, Oak Stockton, KØROL, Dean Jaynes, WAØPJH, and John Kester, WAØLVL.

Another name was added to the list of

(Continued on Page 7), and 11

ZERO BEAT

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-o-

The PPRAA meets the second Wednesday of each month in the U. S. Naval Reserve Training Center, Lake and Logan Streets, starting at 7:30 p. m. All radio amateurs and other interested persons are invited to attend.

Copy deadline for the NOVEMBER ZERO BEAT is October 27.

Editorial

WILL FCC'S 'MISINTERPRETATIONS'
CURTAIL AMATEUR OPERATIONS?

This month's editorial (and we were assured by several persons at the September meeting that in spite of our "editorial wondering" last month that our editorials ~~WERE~~ read) consists of material in an editorial in the Bulletin of the Amateur Radio News Service since it contains information which could affect all radio amateurs and even might curtail some of the emergency and public service operations.

Many changes in interpretation of FCC rules are being made which vitally affect the operation of Amateur Radio as a Public Service and which might even result in considerable curtailment of amateur radio practices, the ARNS editorial states.

"It should be particularly noted that there has been no change in the wording of the rules and regulations; only in the interpretation of the wording. Thus there are no amateur actions bearing an RM or Docket number concerned.

"While there are several changes that have been made, there are two in particular that profoundly affect our present operations: 1. The employment of call signs, and 2. Organizational Traffic.

"Call Signs: For all these many years, it has always been the procedure (and pre-

BOARD OF DIRECTORS

Pres. - Bill King, WØLKD
Vice Pres. - Dean Jaynes, WAØPJH
Secty. - Frank Craw, WØHWH
Treas. - John Kester, WAØLVL

-o-

Pete Demario, KØUPG
Ed Pompea, KØZPG
Eldon Lewis, WAØERA
Oak Stockton, KØROL

-o-

sumably the regulation) that when you operate another amateur's station, you use his call sign whether or not he is present. Not so, now says the FCC. When you operate his station or equipment when he is not present you must use your own call sign.

"This ruling has been set forth in many letters (copies of which go to all FCC Field offices). Now, if this is true, think how it affects operations. This means that on Field Day each operator would be required to use his own call sign when he is operating the equipment. This, obviously, would ruin Field Day completely.

"Field Day, of course, is not a matter of life and death, and could conceivably be cancelled, but the situation is not less different for actual emergencies. Consider, for instance, what would happen to communications if, for example, a station in Lubbock, Texas, during an emergency, after having set up traffic nets, had to change call signs with each operator, thus throwing the whole net into confusion. Think about it for a while!

"Organizational Traffic: Recent interpretations of the rules has thrown traffic for organizations into a real confusing situation. It all started off, basically, with the Eye Bank Network. As we all know, organizations, as such, cannot obtain a

(Continued on Page 3)

OPERATIONS CURTAILMENT?

(Continued from Page 2) amateur license. The license must be issued to an individual. Even club stations must have a Trustee - an individual.

"Now, recent rulings have stated, in effect, that since such organizations cannot obtain licenses, then traffic for that organization is in violation of the rules and the operations is committing a violation if such traffic is handled. Therefore, handling traffic for the Eye Bank is in violation and must be stopped! The ruling has been extended to all organizations, which means you cannot handle traffic for the Red Cross, Boy Scouts, any charity, parades, or hardly anything!!

"These rulings must be reversed or amateur radio is going to be curtailed in its emergency and public service operations--the basic reason why amateur radio has all those valuable frequencies.

The League is fighting the ruling. In the Repeater Response, General Counsel Bob Booth, W3PS, has presented a masterful presentation of the call sign problem, pointing out many references and showing that, in his opinion, these rulings are against many treaties, international regulations, etc. Even if you are not remotely interested in Repeaters, you should at least read this portion.

John Huntoon, W1LVQ, as an individual and not as part of the ARRL, is a member of an FCC Committee (NIAC) which crudely stated, is studying how the amateur service can be used more efficiently. John has written a letter to FCC Commissioner Wells pointing out that these recent rulings have, in effect, negated the efforts of the Committee and asks for a re-interpretation which will cause the rules to be used as they were in the past."

To do something about this matter, the ARNS Bulletin suggests obtaining from the director (in this case Carl Smith, W0BWJ) copies of Director's letter 1370, dated August 12 and the Repeater response. After a study of these, the ARNS suggests, the club and individuals should write the FCC.

"After all, we can discuss the subject loud and long," the ARNS Bulletin states, "But unless the FCC is advised (and rather empathically) those responsible for the rulings will think they are right!"

This is a matter which the club and every one of its members and every amateur in this area should take an intense interest in and take every possible action. If this sort of interpretation is permitted to continue--who knows what the next step will be in more restrictions?

---Frank, W0HWH

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ROSIE'S REPORTINGS

By Rosemarie Lewis, WA0MNL

-rr-

Bill Berendt, W0HNI, is now on RTTY and reports good DX on this form of communications.

-rr-

Larry Lewis, WA6BGG, and XYL Bonnie, WA6BQX, are now back in Colorado--located in Pueblo, where Larry is attending college.

-rr-

Frank Craw, W0HWH, and his XYL left October 4 for a four week vacation trip --a well-deserved vacation. They plan a two-day sightseeing stop in San Francisco--then north through the Redwoods and along the Oregon coast to visit his mother in Portland, Oregon. Frank also hopes for at least a short eyeball QSO with Bill Ray, W6KZP, a fellow model railroader and radio paper editor (Central California Radio Council "Circle") with whom he has QSO'd on the air and corresponded for more than 10 years but whom he has never met in person, in Mill Valley, Calif., just north of San Francisco--also with some of the amateurs in Portland with whom he worked and associated while net director of the Cascade Net on 29.3 in 1954 and 55, just before his 39-month Army assignment in Japan.

-rr-

Doug Wilson, WA0VSL, is now holder of a technician license but has been informed that he passed his Advanced exam. In the meantime he's enjoying two meter AM-FM.

-rr-

The WA0 amateurs should send envelopes for DX cards to W0OGI, Lloyd Harvey, Box 7, Attica, Iowa 50024. W0, WN0 and K0 should be sent to the Des Moines Radio Amateur Assn., P.O. Box 88, Des Moines, Iowa 50301. If you have sent a card to Des Moines, it will have found its way to Attica.

-rr-

Lots of activity on two meter FM and

someone is on at all times. On a Sunday afternoon drive, Bill King, W0LKD, reported a signal light out and traffic problems to a base station who turned it in to the police. Barry Mitchell, W3KWV/0, came upon a car wreck in the mountains and summoned help through his mobile and a base station in the city. The Lewis family is all on FM now.

-rr-

Laurel "Bonnie" Bondurant, WA0YNP, and XYL, Maurice and Eldon, WA0ERA and I attended the CCNC picnic at Idaho Springs, Colo. A contest followed lunch in which everyone won a prize.

-rr-

Be sure to vote for the new Rocky Mountain Division Director when you receive your ballot.

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WB0ALK, PUEBLO, CHOSEN AS ONE OF OUTSTANDING YOUNG WOMEN IN U.S.

Joan Ehlis, WB0ALK, of the Pueblo Ham Club, has been chosen to appear in the 1970 edition of "Outstanding Young Women of America."

This national awards volume annually recognizes select young women between the ages of 21 and 35 who have distinguished themselves by their exceptional service and achievements.

The citation which accompanied the notice of her selection states that Joan was selected from Pueblo County, "In recognition of her outstanding ability, accomplishments and service to her community, country and profession."

In addition to her many Ham activities in Pueblo, Joan is president of the Pueblo Branch of the American Assn. of University Women; a Past Worthy Advisor for the Order of Rainbow for Girls and was cited for outstanding service to the broadcast media by Southern Colorado State College in 1964 and 1965 while a student at SCSC.

She has been substitute hostess of daily women's show on KOAA-TV and has taught English and Journalism.

160 METER TRANSMITTERS FOR VFO CW AND PHONE USE (See Circuit Diagrams on Opposite Page)

The lessons on "Understanding Transistors" have not come to an end. The Tulare County (Calif.) Radio Club "Grid Leak," from which the Central California Radio Council "Circle" reprints the lessons (and from which we, in turn, print them) failed to reach the "Circle" before press time and therefore the "Circle" missed a lesson. However, the next lesson, we hope, will be available to print in the next Zero Beat.

In place of the transistor lessons, we have "gone back to the vacuum tube era" by reprinting from the Denver Radio Club "Round Table" circuits for two 160 meter transmitters---one a VFO CW xmtr and the other a phone xmtr using Heising modulation.

Regarding the schematics, the "Round Table" states that they were prepared by Chris Grant, WØLRW, the 160 meter ARRL Phone Activities Manager.

"Chris is still looking for more participation in this worthwhile endeavor," the "Round Table" states. "Next year skip will be getting shorter and the top end of 75 will be getting more crowded, so where will we handle our section traffic? Let us prepare before it is too late. More and more stations are using 160 each month."

tions are using 160 each month."

Perhaps another reason for running the schematics for 160 is "fond memories." The first phone transmission after getting my general class license as W7HUI in 1937 was on 160 phone. In those days general class licensees were limited to 160 phone and 80 CW (plus 10 meters and below) with most of the traffic on 160 and 80.

In fact, the last time we turned on our first "rig" was a fateful day--December 7, 1941---when we intended to call a CQ and tuned across the band and heard an official directive to "close down all amateur stations until further notice."

That rig, still sealed in a specially-built wooden box, has never been on the air since---it is still at our old QTH in Portland, Oregon, where I will be visiting with my mother most of the month of October.

Perhaps I should get it out and get it back on the air!!!

---Frank, WØHWH

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Newest member of the PPRAA is Fred Palmblad, WØCYM, who joined at the September meeting. Fred started out as W5CYM and after several calls became ØCYM.

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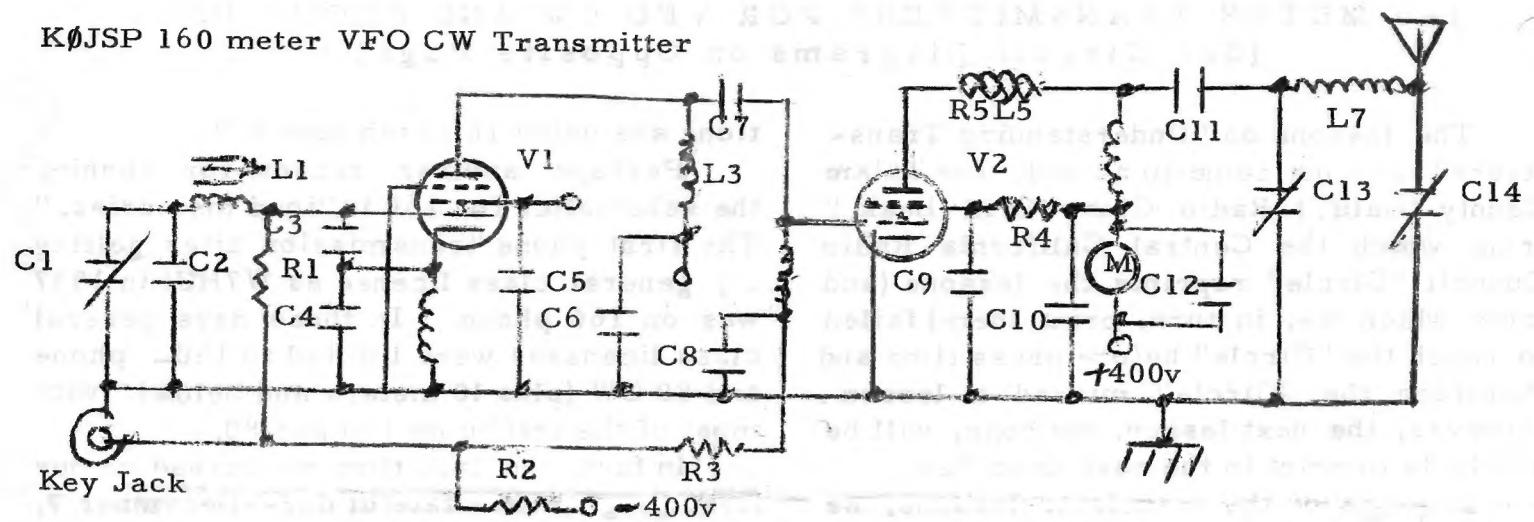
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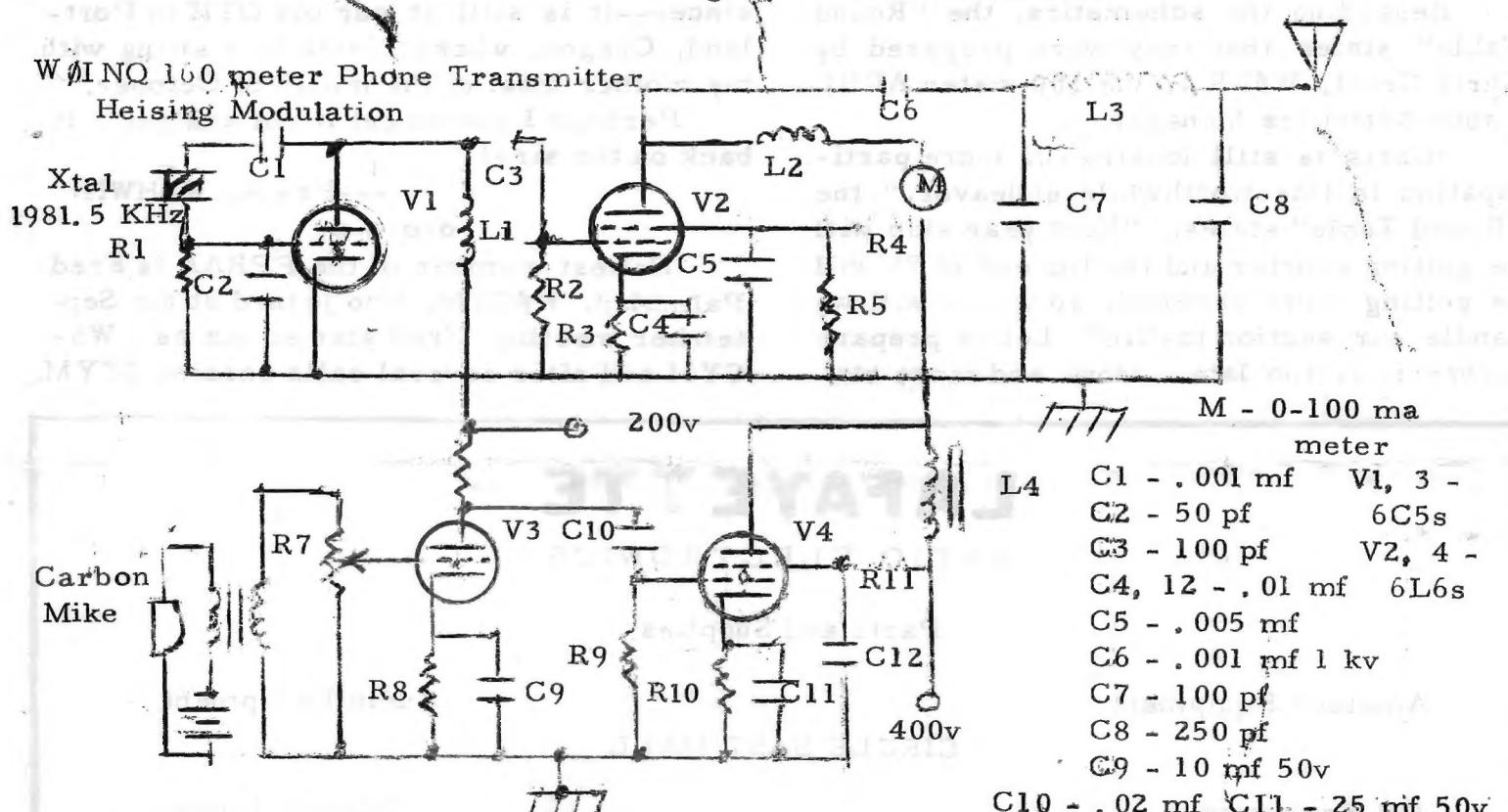
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CIRCLE EAST MALL

K0JSP 160 meter VFO CW Transmitter



C1 - 365 pf C7 - 220 pf C13 - 100 pf R3 - 62K R5L5 - 7 turns #18
 C2 - 300 pf C8 - .057 mf C14 - 250 pf R4 - 33K 2w on 2, 2K 2watt
 C3, 4 - 1000 pf C11 - .001 mf R1 - 51K L2, 3, 4, 6 - resistor
 C5, 6, 9, 10, 12 - .01 mf R2 - 400v
 L1 - 2 layers #24, 1/2" long on 1/2" dia. slug-tuned form 2.5 mh V1 - 6AG7
 L7 - 75 turns #20 on 2" dia. form 4.5" long M - 0-200 ma meter V2 - 6146

W0INQ 160 meter Phone Transmitter
Heising Modulation

R1 - 30K R6, 9 - 100K L1, 2 - 2.5 mh
 R2 - 15K R7 - 500K L3 - 75 turns #20, on 2" dia. form, 4/5" long
 R3 - 300 10w R8 - 3.3K L4 - 15h 150 ma
 R4 - 15K 2w R10 - 400 10W Both transmitters, all capacitors 500V and all
 R5 - 100K 2w R11 - 5K 5w resistors 1/2 watt except where noted.

C1 - .001 mf V1, 3 -
 C2 - 50 pf 6C5s
 C3 - 100 pf V2, 4 -
 C4, 12 - .01 mf 6L6s
 C5 - .005 mf
 C6 - .001 mf 1 kv
 C7 - 100 pf
 C8 - 250 pf
 C9 - 10 mf 50v

C10 - .02 mf C11 - 25 mf 50v

SECRET CODE ANYONE ? ?

(From the Pueblo Ham Club "Grid Leak")

Use of the Standard 10 code is becoming increasingly popular on the area FM repeaters. Since the 10 code was intended primarily for use by law enforcement agencies and such things as 10-56 (intoxicated pedestrian) and 10-81 (breathalyzer report) do not have a great deal to do with amateur radio, we would like to suggest an alternate - - - -

THE "9" CODE

9-0 Stop shouting - we can hear you.
 9-1 Unable to copy.
 A. You forgot to unhook the antenna from the gutter clip.
 B. You're talking into the wrong side of the microphone.
 C. The antenna on the walkie-talkie is leaning against the water pipe.
 9-3 Turn it off - it sounds terrible.
 4 OK - temporarily.
 9-5 Help me out - the guy can't understand my southern accent.
 9-6 Don't bother me - I'm eating.
 9-7 I just crashed into a police car.
 9-8 The police car is chasing me.
 9-9 Talk slower.
 A. Slower yet.
 B. Still slower

9-9 C. Stop talking
 9-10 Your vibrator hash is twice as loud as your audio.
 9-20 Where are you? ?
 9-21 Swearing is not allowed on radio.
 9-22 Forget it - it's history now.
 9-30 Signing off doesn't mean singing the National Anthem.
 9-36 What is the correct GMT?
 A. I'm waiting.
 B. Still waiting.
 C. Applying for Medicare.
 9-39 Hurry up - it's cold out here.
 9-40 Sneak up on 'em and hand 'em a charged condenser.
 9-42 Continued next month.

We are indebted to the C.A.R.C. Relay for the idea of the 9 code, however material is original or stolen from people who will never know!

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ANNUAL MEETING, ELECTION

(Continued from Page 1)

candidates for the Board---Rhea Allison, K5RDY/Ø---through a nominating petition signed by Rosemarie Lewis, WAØMNL, Eldon Lewis, WAØERA, and Linda Lewis, WAØMNM, bringing the total of candidates for the Board to 13.

Don't fail to attend the meeting October 14 to vote for the persons you feel are best qualified to head the club the coming year.

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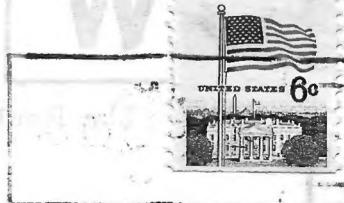
1971 ROCKY MOUNTAIN DIVISION ARRL CONVENTION APPROVED FOR SPRINGS

As Zero Beat went to press, it was learned that word had been received from National ARRL Headquarters granting ap-

proval for holding the 1971 Rocky Mountain Division ARRL convention in Colorado Springs June 19 and 20.

More on this will be published in a future issue of Zero Beat.

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